## PATENT COOPERATION TREATY

PATENT COURER	ALION TIME
rom the INTERNATIONAL SEARCHING AUTHORITY	·
OUL FENSTER AUL FENSTER ENSTER & COMPANY, INTELLECTUAL PROPERTY LTD O. BOX 10256 0002 PETACH, TIKVA, ISRAEL	PCT  NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)
	Date of mailing (day/month/year) 03 FEB 2006
applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below
14/04404  International application No.  PCT/IL05/00140	International filing date (day/month/year) 04 February 2005 (04.02.2005)
Applicant REABILITY INC.	
Filing of amendments and statement under Article 19:	HILD OF MIC BUTTERS
search report.	normally two months from the date of transmittal of the international  of the international o
Where? Directly to the international Editorial Particular Particul	(41,22) 333132111
The applicant is hereby notified that no international search	ch report will be established and that the declaration under the International Searching Authority are transmitted herewith.
. The regard to the protest against payment of (an) add	litional fee(s) under Rule 40.2, the applicant is notified that.
the community of both the profess ally	the decision thereon to the designated Offices.
no decision has been made yet on the protest; the ap	pplicant will be notined as soon as a devision in
Bureau. If the applicant wishes to avoid of postpone publication, must reach the International Bureau as provided in Rules preparations for international publication.  The applicant may submit comments on an informal basis of International Bureau. The International Bureau will send a control preliminary examination report has been or is to be established.	late, the international application will be published by the International n, a notice of withdrawal of the international application, or of the priority is 90bis.1 and 90bis.3, respectively, before the completion of the technical on the written opinion of the International Searching Authority to the copy of such comments to all designated Offices unless an international ed. These comments would also be made available to the public but not
Within 19 months from the priority date, but only in respectation must be filed if the applicant wishes to postpone to some Offices even later); otherwise, the applicant must, within into the national phase before those designated Offices.	the entry into the national phase until 30 months from the priority date (in no 20 months from the priority date, perform the prescribed acts for entry atts (or later) will apply even if no demand is filed within 19 months.
In respect of other designated Offices, the time limit of 30 mon- See the Annex to Form PCT/IB/301 and, for details about the Volume II, National Chapters and the WIPO Internet site.	the applicable time times, other of
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner for Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Docketed By	Danton DeMille Telephone No. (571) 272-3700
Facsimile No. (571) 273-3201 DOCKETED LIV Form PCT/ISA/220 (January 2004)	(See notes on accompanying sheet

### PATENT COOPERATION TREATY

# PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	ACTION as well as,	see Form PCT/ISA/220 , where applicable, item 5 below.  (Earliest) Priority Date (day/month/year)
nternational application No. CT/IL05/00140	International filing date (day/month/yea 04 February 2005 (04.02.2005)	05 February 2004 (05.02.2004)
pplicant EABILITY INC.		
This international search report consists  It is also accompanie  Basis of the Report  a. With regard to the language, the internations  a translation of of a translation of of a translation  b. With regard to any nucleus.  Certain claims were four  Unity of invention is lace.  With regard to the title,  the text is approved as successive.	sof a total of sheets.  ed by a copy of each prior art document come international search was carried out on the language in which it was furnished for the purposes of international application and out of the and/or amino acid sequence disclosured the composes of the purposes of	the basis of:  was filed. , which is the language
the text has been established, within one month  6. With regard to the drawings, a. the figure of the drawings to as suggested by	from the date of mailing of this internation of the published with the abstract is Figure	d to suggest a figure.

International application No.

PCT/IL05/00140

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internatio	Observations where certain claims were reasons: nal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
<u>-</u>	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
Please See C	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. Remark of	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-8  Protest  The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.  The additional search fees were accompanied by the applicant's protest but the applicable protest fee
	was not paid within the time limit specified in the invitation.  No protest accompanied the payment of additional search fees.
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International application No.

PCT/IL05/00140

Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet	Box IV TEXT (	F THE ABSTRACT	(Continuation of I	tem 5 of the first sheet
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INE M	MDOIL	$\sim 1$

The invention relates to a rehabilitation device which guides a patient to perform a motion with a correct spatial trajectory, by the device applying one or more pushing, assisting, reminding, responding and/or resisting forces during a motion (or intent to move) by the patient. The forces are applied by an actuator, for example, a robotic articulated arm or a spherically jointed lever. The applied forces act as a force field, optionally continuous, which impedes and/or guides a patient. The device can be programmable with various trajectories (paths and/or velocities) and/or forces. The forces at one point in the trajectory can vary responsive to an actual trajectory by the patient and/or responsive to a rehabilitation plan and/or improvement of the patient. The device can learn a motion entered by a physiotherapist and replay it for the patient.

Form PCT/ISA/210 (continuation of first sheet(3)) (April 2005)

International application No.

PCT/IL05/00140

	SIFICATION OF SUBJECT MATTER  A61H 1/02			
IPC(7) US CL	CO1/E 22		4 mc	
According to I	International Patent Classification (IPC) or to both nation	nal classification an	<u>a ir C</u>	
3. FIELD	S SEARCHED			
Ainimum doc U.S. : 60	cumentation searched (classification system followed by 1/5, 23, 27-34; A61H 1/00, 1/02	classification symo	018)	
Documentatio	on searched other than minimum documentation to the e	xtent that such docu	ıments are inch	uded in the fields searched
Electronic da	ta base consulted during the international search (name	of data base and, w	here practicabl	e, search terms used)
c. Doct	UMENTS CONSIDERED TO BE RELEVANT			Relevant to claim No.
Category *	Citation of document, with indication, where app	propriate, of the rele	evant passages	Relevant to ciaim No.
X	US 4,936,299 A (ERLANDSON) 26 JUNE 1990 (26.0	36.1990) see entire	document	1-0
A	US 5,211,161 A (STEF) 18 MAY 1993 (18.05.1993)			
A	US 5,466,213 A (HOGAN et al) 14 NOVEMBER 199			
Α				
Α	US 5,454,774 A (DAVIS) 03 OCTOBER 1995 (01.10	).1995)		
Furth	er documents are listed in the continuation of Box C.		ent family anne	
*	Special categories of cited documents:	"T" later door	ument published after	er the international filing date or priority date opplication but cited to understand the
"A" docume	ent defining the general state of the art which is not considered to be of	principle	or theory underlying	g the invention
particula	ar relevance application or patent published on or after the international filing date	consider	ed novel or cannot b	ence; the claimed invention cannot be considered to involve an inventive step
WE? domana	ent which may throw doubts on priority claim(s) or which is cited to sh the publication date of another citation or other special reason (as	(1371) de masmát	e document is taken and of particular relevant	ance; the claimed invention cannot be entive step when the document is combined
specifie	ed)	with one	ed to involve art inv or more other such son skilled in the art	documents, such combination being obvious
	ent referring to an oral disclosure, use, exhibition or other means	"&" docume:	nt member of the sat	me patent family
priority	ent published prior to the international filing date but later than the y date claimed			onal search report
	actual completion of the international search	Date of Halling	0	3 FEB 2006 ·
Name and	her 2005 (04.11.2005) mailing address of the ISA/US	A Morized offic	er	
N	Mail Stop PCT, Attn: ISA/US	Danton DeMille		0
C	Commissioner for Patents P.O. Box 1450			า
Į	Alexandria, Virginia 22313-1450	Telephone No.	(311) 414-3100	•
	No. (571) 273-3201			
Form PCT/I	SA/210 (second sheet) (April 2005)			

International application No. PCT/IL05/00140

#### INTERNATIONAL SEARCH REPORT

#### BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-8, drawn to a rehabilitation device including a frame, an actuator and a joint interconnecting the frame and the actuator.

Group II, claim(s) 9-11, drawn to a method of setting up a rehabilitation system.

Group III, claim(s) 12-36, drawn to a rehabilitation device including a joint, a substantially rigid radial extension and a controller.

Group IV, claim(s) 37, drawn to a balance rehabilitation device including an actuator and a weight.

Group V, claim(s) 38-44, drawn to a method of rehabilitation comprising assisting motion, resistance to motion and compliance to motion without electro-mechanical feedback loop.

Group VI, claim(s) s 45-49, drawn to a rehabilitation device including a motor which prevents back-driving of the motor.

Group VII, claim(s) 50-51, drawn to a rehabilitation device comprising a motor and slot to drive a lever with a spring providing resilience to motion.

Group VIII, claim(s) 52-53, drawn to a multi-axis resilient element with two sets of joints.

Group IX, claim(s) 54-57, drawn to a rehabilitation device including a motor and spring coupled to the motor that is settable.

Group X, claim(s) 58, drawn to a telescoping mechanism.

Group XI, claim(s) 59-65, drawn to a portable rehabilitation device that has two configurations.

Group XII, claim(s) 66-69, drawn to a rehabilitation device comprising a separable element interconnecting a motor and a lever.

Group XIII, claim(s) 70-73, drawn to a rehabilitation device with a controller adapted to identify a safety problem.

Group XIV, claim(s) 74-78, drawn to a rehabilitation docking station with a docking port adapted for locking to a patient carrier.

The inventions listed as Groups I-XIV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the rehabilitation devices recite their own specific requirement that is different from any of the other rehabilitation devices. The methods also require specific steps that are

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